

HIGH PRESSURE CHECK VALVES

10,000 PSI TO 60,000 PSI RATED

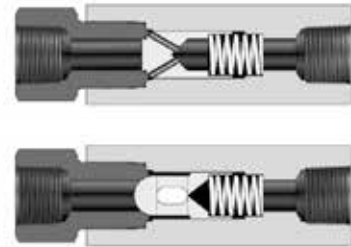
CHECK VALVES

- Provides unidirectional flow and tight shut-off for liquid and gas with high reliability. When differential drops below cracking pressure, valve shuts-off (not for use as relief valve)
- Body materials: 316 SS
- Resilient o-ring seat design for noise-free closing leakage-free
- Optional o-rings available for high-temperature applications
- Cracking pressure: 10C, 15C, 20C and 60C Series Check Valves:
14 psig - 26 psig (0.966 bar - 1.794 bar)



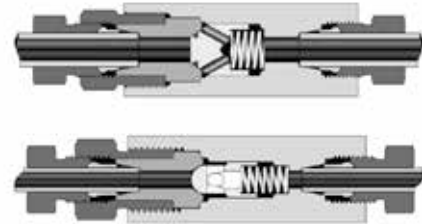
10C, 10CO SERIES CHECK VALVES

- End connections: 3/4" NPT and 1" NPT
- Orifice sizes: 0.52", 0.69"
- Working pressure up to: 10000 psig (690 bar)
- Working temperature:
10C Series (Pipe O-ring Check Valves): -50°F to 400°F (-45°C to 204°C)
10CO Series (Ball Check Valves): -110°F to 400°F (-79°C to 204°C)



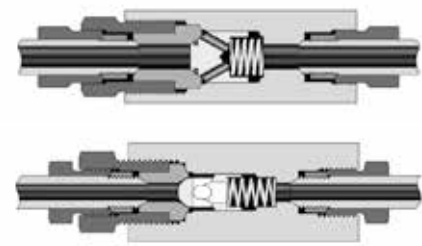
15C 15CO SERIES CHECK VALVES

- End connections:
O-ring Check Valves and Ball Check Valves:
1/4", 3/8" and 1/2" tube fittings
Pipe O-ring Check Valves and Pipe Ball Check Valves:
1/4" NPT, 3/8" NPT and 1/2" NPT
- Orifice sizes:
0.188", 0.25" and 0.375"
Pipe o-ring Check Valves and Pipe Ball Check Valves:
0.12", 0.22" and 0.36"
- Working pressure up to: 15000 psig (1034 bar)
- Working temperature:
15C Series (O-ring Check Valves): -50°F to 550°F (-45°C to 288°C)
15C Series (Pipe Check Valves): -50°F to 400°F (-45°C to 204°C)
15CO Series (Ball Check Valves): -110°F to 800°F (-79°C to 427°C)
15CO Series (Pipe Ball Check Valves): -110°F to 400°F (-79°C to 204°C)



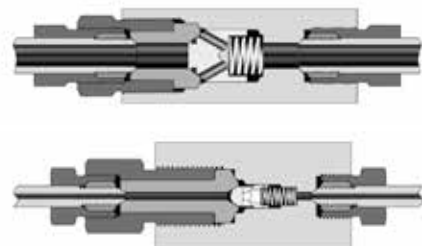
20C 20CO SERIES CHECK VALVES

- End connections:
1/4", 3/8", 9/16", 3/4" tube fittings
- Orifice sizes:
0.125", 0.218", 0.359", 0.516" and 0.688"
- Working pressure up to: 20000 psig (1379 bar)
- Working temperature:
20C Series (O-ring check valves): -50°F to 550°F (-45°C to 288°C)
20C Series Check valves (Ball check valves): -110°F to 1200°F (-79°C to 649°C)



60C 60CO SERIES CHECK VALVES

- End connections:
1/4", 3/8", 9/16" tube fittings
- Orifice sizes:
0.094", 0.125", 0.187"
- Working pressure up to: 60000 psig (4137 bar)
- Working temperature:
60C Series Check valves (O-ring check valves): -50°F to 550°F (-45°C to 288°C)
60C Series Check valves (Ball check valves): -110°F to 1200°F (-79°C to 649°C)



HIGH PRESSURE CHECK VALVES

PART NUMBER DESCRIPTION

15C SS - FH 4

SERIES	BODY MATERIAL	CONNECTOR SIZES	STEM TIPS
10C	SS 316 SS	For 10C/10C0 Series	4 1/4"
10C0		FNS NPT (Female)	6 3/8"
15C		For 15C/15C0 Series	8 1/2"
15C0		FH 15 Series	9 9/16"
20C		FNS NPT (Female)	12 3/4"
20C0		For 20C/20C0 Series	16 1"
60C		FH 20 Series	
60C0		For 60C/60C0 Series	
		FH 60 Series	

Code	O-ring Material	Temperature Range
	Fluorocarbon FKM	0 to 400°F (-17.8 to 204°C)
N	NBR	-40 to 250°F (-40 to 121°C)
F	FFKM	-20 to 500°F (29 to 260°C)
E	EPDM	-50 to 300°F (-45 to 148°C)
K	Kalrez	-40 to 500°F (-40 to 250°C)

Options: O-ring
 Fluorocarbon FKM is standard. For other materials, add a material code to the valve Ordering number.
 Example: 20CSS-FH6-K

NB: "Part Number Description" is used for composition rules of Abdex product model, not suitable for specific product part number selection, not random combinations. If in doubt, please contact Abdex.